Amdt. and Resp. dated March 10, 2006

Attorney Docket No. M005Z/281291

Reply to Office action of Feb. 2, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

**Listing of Claims:** 

Claim 1 (currently amended): A system for cutting a traveling web of paper that is

being wound onto a first spool and transferring the paper web onto a second spool

by feeding turn-up tape into a nip between the second spool and the paper web,

comprising: a transfer track for transporting the turn-up tape beneath the paper web

and to a position adjacent to the nip; and a drive assembly capable of driving the

turn-up tape along the transfer track toward the nip, wherein the drive is capable of

being powered by both manual power and motor power and comprises at least one

directional clutch.

Claim 2 (original): The system of claim 1, wherein the drive assembly comprises a

drive shaft coupled to a drive wheel, the drive assembly also comprises an engaging

wheel that is capable of engaging the turn-up tape between the drive wheel and the

engaging wheel such that rotating the drive shaft in a predetermined direction drives

the turn-up tape along the transfer track toward the nip.

Claim 3 (original): The system of claim 2, wherein manual power is supplied to the

drive assembly by a hand crank capable of rotating the drive shaft.

Claim 4 (currently amended): The system of claim 3, further comprising wherein

the at least one directional clutch comprises a first pair of directional clutches

coupled to the hand crank and the drive shaft, wherein the first pair of directional

Amdt. and Resp. dated March 10, 2006

Attorney Docket No. M005Z/281291

Reply to Office action of Feb. 2, 2006

clutches engage and rotate the drive shaft when the hand crank is rotated in a

predetermined direction and do not engage the drive shaft when the hand crank is

not rotated.

Claim 5 (original): The system of claim 2, wherein motor power is supplied to the

drive assembly by an electric motor capable of rotating the drive shaft.

Claim 6 (currently amended): The system of claim 5, wherein the electric motor

rotates the drive shaft by rotating a belt, wherein the belt is in rotational contact with

a driven pulley that is coupled to the drive shaft by the at least one directional clutch;

wherein the at least one directional clutch comprises a second pair of directional

clutches.

Claim 7 (original): The system of claim 6, wherein the second pair of directional

clutches are coupled to the driven pulley and the drive shaft, and wherein the

second directional clutches engage and rotate the drive shaft when the driven pulley

is rotated in a predetermined direction and do not engage the drive shaft when the

driven pulley is not rotated.

Claim 8 (original): The system of claim 1, wherein the transfer track comprises at

least in part a V-shaped groove capable of containing the turn-up tape, the V-

shaped groove comprising a first side wall and a second side wall at an acute angle

from the first side wall.

Claim 9 (previously presented): The system of claim 8, wherein the second side

wall comprises a concave portion.

Amdt. and Resp. dated March 10, 2006

Attorney Docket No. M005Z/281291

Reply to Office action of Feb. 2, 2006

Claim 10 (original): The system of claim 8, wherein the V-shaped groove is covered

at least in part by a flexible seal.

Claim 11 (original): The system of claim 1, further comprising a pneumatic control

system, wherein the operation of the system is controlled by the pneumatic control

system.

Claim 12 (original): The system of claim 11, further comprising a computer, whereby

the operation of the pneumatic control system is controlled by a computer when the

drive is powered by motor power.

Claim 13 (previously presented): A system for cutting a traveling web of paper that is

being wound onto a first spool and transferring the paper web onto a second spool

by feeding turn-up tape into a nip between the second spool and the paper web,

comprising: a transfer track for transporting the turn-up tape beneath the paper web

and to a position adjacent to the nip, wherein the transfer track comprises at least in

part a V-shaped groove capable of containing the turn-up tape, the V-shaped groove

comprising a first side wall and a second side wall at an acute angle from the first

side wall, wherein the second side wall comprises a concave portion, wherein the V-

shaped groove is covered at least in part by a flexible seal; and a drive assembly

capable of driving the turn-up tape along the transfer track toward the nip.

Claim 14 (original): The system of claim 13, wherein the drive is capable of being

powered by manual power or motor power.

Claim 15 (original): The system of claim 14, wherein the drive assembly comprises a

drive shaft coupled to a drive wheel, the drive assembly also comprises an engaging

Amdt. and Resp. dated March 10, 2006

Attorney Docket No. M005Z/281291

Reply to Office action of Feb. 2, 2006

wheel that is capable of engaging the turn-up tape between the drive wheel and the

engaging wheel such that rotating the drive shaft in a predetermined direction drives

the turn-up tape along the transfer track toward the nip.

Claim 16 (original): The system of claim 15, wherein manual power is supplied to

the drive assembly by a hand crank capable of rotating the drive shaft.

Claim 17 (original): The system of claim 16, further comprising a first pair of

directional clutches coupled to the hand crank and the drive shaft, wherein the first

directional clutches engage and rotate the drive shaft when the hand crank is rotated

in a predetermined direction and do not engage the drive shaft when the hand crank

is not rotated.

Claim 18 (original): The system of claim 15, wherein motor power is supplied to the

drive assembly by an electric motor capable of rotating the drive shaft.

Claim 19 (original): The system of claim 18, wherein the electric motor rotates the

drive shaft by rotating a belt, wherein the belt is in rotational contact with a driven

pulley that is coupled to the drive shaft by a second pair of directional clutches.

Claim 20 (original): The system of claim 19, wherein the second pair of directional

clutches are coupled to the driven pulley and the drive shaft, and wherein the

second directional clutches engage and rotate the drive shaft when the driven pulley

is rotated in a predetermined direction and do not engage the drive shaft when the

driven pulley is not rotated.

Claim 21 (currently amended): A method of operating a system for cutting a

traveling web of paper that is being wound onto a first spool and transferring the

Appl. No. 10/763,718 Amdt. and Resp. dated March 10, 2006 Attorney Docket No. M005Z/281291 Reply to Office action of Feb. 2, 2006

paper web onto a second spool by feeding turn-up tape into a nip between the empty spool and the paper web, wherein the system comprises a transfer track and a drive for driving the turn-up tape through the transfer track toward the nip, wherein the drive comprises at least one directional clutch, the method comprising: operating the system in an automatic mode with a computer controlled pneumatic system, wherein the drive is powered by an electric motor; and switching to a manual mode, wherein the drive is manually powered.